

**Notice of Allowability**

Application No.

10/086,953

Applicant(s)

APOSTOL ET AL.

Examiner

Art Unit

ALEXANDER BOAKYE

2667

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/28/02.
2. ☒ The allowed claim(s) is/are 1-12,13-15,19,20,16,17,18,21-33,34-42; renumbered as 1-12,13-15,16,17,18,19,20,21-33,34-42 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>7/08/2002</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                                | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

1. The drawings filed on 02/28/02 have been approved by the examiner.

### **REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance: Claims 1-42 are considered allowable since when reading the claims in light of the specification, none of the reference of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims. The prior art of record (US Patent # 5,920,566) relates an integrated circuit comprising a router with third subsystem having a forwarding memory and being coupled to the first and second subsystems via first and second internal links. The network element is configured to implement packet routing functions in a distributed manner. The prior art of record (US Patent # 6,677,786) relates to integrated circuit comprising an on chip bus 104 with a first subsystem, second subsystem and a third subsystem coupled to the on-chip bus 104 as shown in fig. 1. As to claims 1-12, the prior art of record does not teach a third multiplexor coupled to the first second and third subsystems to select and output for the first subsystem one of the second output of the second subsystem and the third output of the third subsystem and a controller coupled to the first, second, and third subsystems and the first, second and third multiplexors to allocate and control operation

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of said first, second and third multiplexors to facilitate concurrent communications between selected combinations of the first, second and third subsystems.

As to claims 13-20, the prior art of record does not teach configuring the corresponding selected one of the first and second multiplexors to provide a path for the first output of the first subsystem to reach the destined one of the second and third subsystems, if the corresponding selected one of the first and second multiplexors is available to be so configured. As to claims 21-33, the prior art of record does not teach concurrently configuring the corresponding selected one of the third and first multiplexors to provide a path for the third output of the third subsystem to reach the destined one of the first and second subsystems, if the corresponding selected one of the third and first multiplexors is available to be so configured. As to claims 34-42, the prior art of record does not teach the second subsystem outputting a second output for a selected of the first and third subsystem; the third subsystem outputting a third output for a selected of the first and second subsystems; and a data traffic router selectively configuring itself to provide paths for all or a subset of the first, second and third outputs to concurrently reach the output' destinations. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Conclusion**

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm.

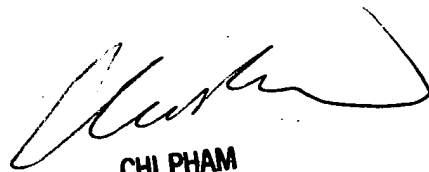
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (571) 272-3179. The Central Fax number is (571) 273-8300. Any inquiry of general nature or relating to the status of this application or proceeding should be directed to Electronic Business Center numbers 866-217-9197 and 703-305-3028.

Alexander Boakye

Patent Examiner

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3/13/06

  
CHI PHAM  
SUPERVISORY PATENT EXAMINER  
ELECTRONIC BUSINESS CENTER  
3/14/06